

## Product datasheet for **TA814330M**

### Desmin (DES) Mouse Monoclonal Antibody [Clone ID: OTI14E7]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI14E7
Applications:	IHC
Recommended Dilution:	IHC 1:1000
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Synthetic peptide (the amino acid sequence is considered to be commercially sensitive) within Human Desmin (NP_001918). The exact sequence is proprietary.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Shipped at -20°C or with ice packs, Upon delivery store at -20°C. Dilute in PBS(pH7.3) if necessary. Stable for 12 months from date of receipt. Avoid repeated freeze-thaws.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	53.5 kDa
Gene Name:	desmin
Database Link:	<a href="#">NP_001918</a> <a href="#">Entrez Gene 13346 Mouse</a> <a href="#">Entrez Gene 64362 Rat</a> <a href="#">Entrez Gene 1674 Human</a> <a href="#">P17661</a>
Background:	This gene encodes a muscle-specific class III intermediate filament. Homopolymers of this protein form a stable intracytoplasmic filamentous network connecting myofibrils to each other and to the plasma membrane. Mutations in this gene are associated with desmin-related myopathy, a familial cardiac and skeletal myopathy (CSM), and with distal myopathies. [provided by RefSeq, Jul 2008]

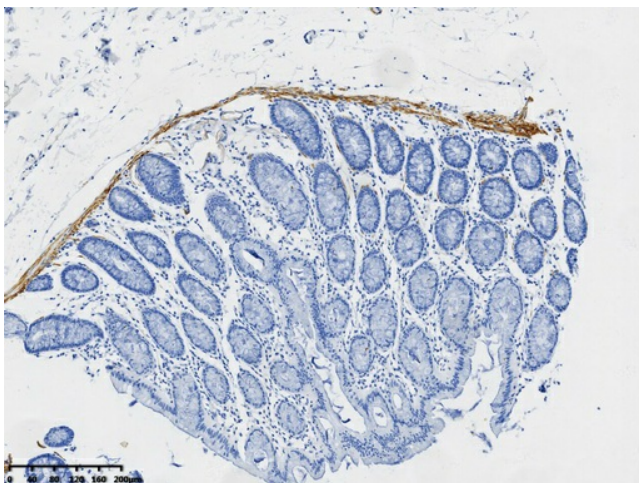

[View online »](#)

**Synonyms:** CDCD3; CSM1; CSM2; LGMD1D; LGMD1E; LGMD2R

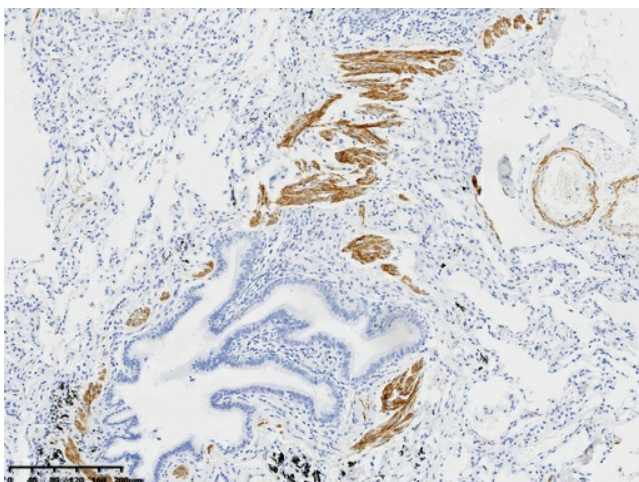
**Protein Families:** Druggable Genome

**Protein Pathways:** Arrhythmogenic right ventricular cardiomyopathy (ARVC), Dilated cardiomyopathy, Hypertrophic cardiomyopathy (HCM)

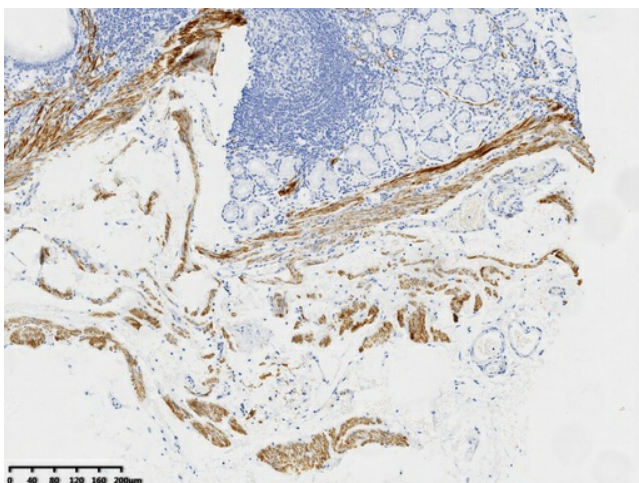
### Product images:



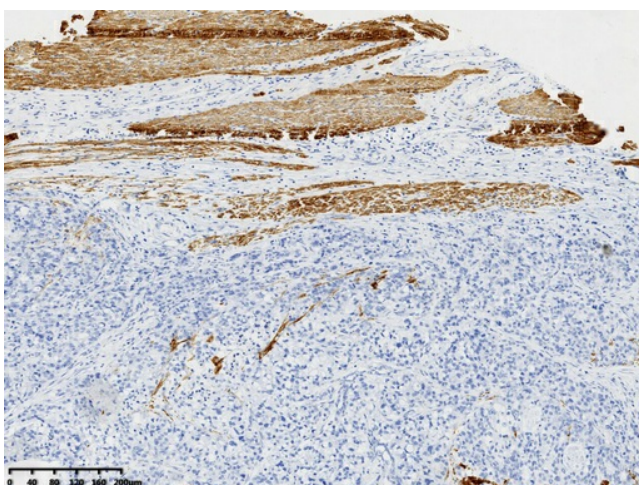
Immunohistochemical staining of paraffin-embedded Human colon tissue within the normal limits using anti-Desmin mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



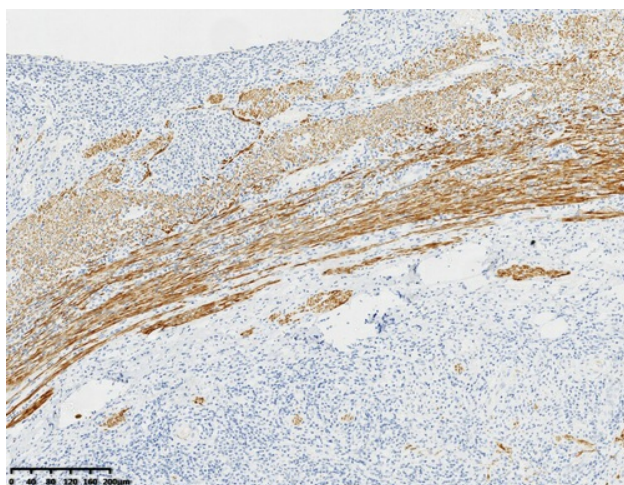
Immunohistochemical staining of paraffin-embedded Carcinoma of Human lung tissue using anti-Desmin mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded Human gastric tissue within the normal limits using anti-Desmin mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded Human Gastric Carcinoma using anti-Desmin mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded Human appendix tissue within the normal limits using anti-Desmin mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.